Pressure Sensor

FIRSTRATE SENSOR PRODUCTS

FST800-211 Universal Industrial Pressure Sensor

Features	■ Advance Microfused Silicon Strain Gauge, whole-designed elastomer, free of leakage troubles
	■ Efficient lightning protection and strong anti RFI&EMI protection.
	■ Advanced digital temperature compensation and wide working temperature scope
	■ High sensibility, high accuracy, high frequency response and longterm stability
Applicable Scope	■ Industrial process testing and control
	■ Automatic testing system
	■ Hydraulic and pneumatic systems
	■ Pump station and water treatment system
	■ Industrial machinery manufacture

Project	Parameter			
Standard Range	Pressure Type: gauge pressure absolute pressure sealed pressure			
	Pressure Range (bar) : 1 1.6 2.5 4 6 10 16 25 40 60 100 160 200 250 300 400 500 600			
	Pressure Range (psi) : 15 30 50 75 100 200 300 500 750 1K 1.5K 3K 5K 10K			
Technical Index	Signal output	4~20mA	0.5~4.5VDC	0~5VDC 0~10VDC
	Signal line specification	2wire	3wire	3wire 3wire
	Power supply	9~30VDC	5VDC	9~30VDC 15~30VDC
	Accuracy	±0.1%FS	±0.3%FS	±0.5%FS
	Zero Drift	±0.02%FS/℃		
	Thermal Sensitivity Shift	±0.02%FS/℃		
	Longterm Stability (1 Year)	±0.1%FS		
	Frequency Response (-3dB)	3.2kHz		
	Compensated Temperature	-20~+85℃		
	Working Temperature	-40~+125℃		
	Storage Temperature	-40~+125℃		
	Overload Pressure	300% FS		
	Burst Pressure	500% FS		
	Mechanical Vibration	±20g		
	Impact (11ms)	100g		
	Environmental Protection	IP65		
	Wetted Parts	17-4PH		
	Electromagnetic compatibility	EN61000-6		
	Certificates	CE RoHS		

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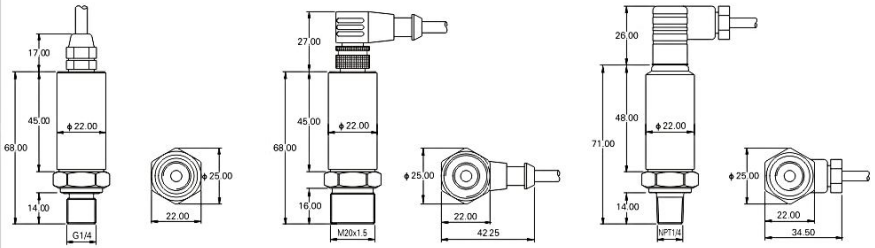
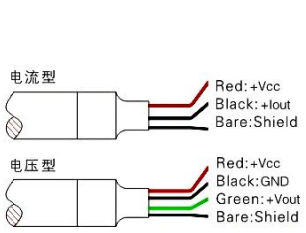
Dimension



直接引线 M12连接器 Hirschmann连接器

Pressure Connection

Electrical Connection



4~20mA	1	+Vcc	Red/Brown
	3	+Iout	Black/Blue
0.5~4.5VDC 0~5VDC 0~10VDC	1	+Vcc	Red/Brown
	2	+Vout	Green/White
	3	GND	Black/Blue

4~20mA	1	+Vcc	Red
	2	+Iout	Black
0.5~4.5VDC 0~5VDC 0~10VDC	1	+Vcc	Red
	2	+Vout	Green
	3	GND	Black
	⏚		Shield

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